

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: SHO et al.

Examiner: UNKNOWN

Serial No.: 10/541,175

Group Art Unit: UNKNOWN

Filed: JUNE 30, 2005

Docket: 14434.85USWO

Title: GLASS FOR LASER PROCESSING

#3

## CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: ED 978840679 US

Date of Deposit: SEPTEMBER 29, 2005

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to MS Amendment, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

By: 

Name: YUHGO MARUTA

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- ☒ Information Disclosure Statement, Form 1449, 17 reference(s).
- ☒ Other: Translation of Written Opinion of the International Searching Authority.
- ☒ Return postcard

Please charge any additional fees or credit overpayment to Deposit Account No. 50-3478. A duplicate of this sheet is enclosed.

Hamre, Schumann, Mueller & Larson, P.C.  
P.O. Box 2902 Minneapolis, MN 55402-0902  
612.455-3800

By: 

Name: Douglas P. Mueller

Reg. No.: 30,300

Initials: DPM:nel

**52835**

PATENT TRADEMARK OFFICE

The PTO did not receive the following  
listed item(s) 1 NPC

S/N

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	SHOJIYA et al.	Examiner:	unknown
Serial No.:	10/541,175	Group Art Unit:	Unknown
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CERTIFICATE UNDER 37 CFR 1.10

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I hereby certify that the papers listed below are being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 CFR 1.10 in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Arlington, VA 22313-1450.

By:   
Name: YUHGO MARUTA

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(c))

MS Amendment

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner. Some of the references were cited in an International Search Report, mailed May 11, 2004.

This statement should be considered because it is submitted within three months of the filing date of the above-identified application, which is not an application under 37 C.F.R. § 1.53(d). Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. § 1.98(a)(2), a copy of each non-U.S. document or other information listed on the enclosed Form 1449 is provided.

A concise explanation of the relevance of each non-English language document or other information is as follows (37 C.F.R. §1.98(a)(3)):

JP 11-217237 corresponds to US 6,262,389.

JP 11-81542 corresponds to US 6,214,429.

JP 2003-112945 corresponds to US 2003/0100431.

JP 2003-246638 corresponds to US 2003/0217568.

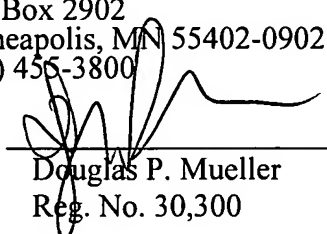
No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Respectfully submitted,

HAMRE, SCHUMANN, MUELLER &  
LARSON, P.C.  
P.O. Box 2902  
Minneapolis, MN 55402-0902  
(612) 455-3800

Dated: September 29, 2005

By:   
Douglas P. Mueller  
Reg. No. 30,300

DPM:nel

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b>  <b>IN AN APPLICATION</b>  (Use several sheets if necessary)	Docket Number: 14434.85USWO	Application Number: 10/541,175
	Applicant: SHOJIYA et al.	
	Filing Date: JUNE 30, 2005	Group Art Unit: UNKNOWN

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,262,389	7.17.2001	KOYAMA et al.			
	6,214,429	4.10.2001	ZOU et al.			
	2003/0100431	5.29.2003	KOYO et al.			
	2003/0217568	11.27.2003	KOYO et al.			
	2003/0045420	6.6.2003	KOYAMA et al.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	11-217237	1999.8.10	JP			SEE IDS	
	2000-159539	2000.6.13	JP			ABSTRACT	
	11-116267	1999.4.27	JP			ABSTRACT	
	10-81542	1998.3.31	JP			ABSTRACT AND SEE IDS	
	2003-112945	2003.4.18	JP			SEE IDS	
	2004-107198	2004.4.8	JP			ABSTRACT	
	2003-246638	2003.9.2	JP			SEE IDS	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		R.D. Shannon, "Revised Effective Ionic Radii and Systematic Studies of Interatomic Distances in Halides and Chalcogenides", Acta Crystallogr., A32, pp. 751-767, 1976.
		K.H. Sun, "Fundamental Condition of Glass Formation", Journal of the American Ceramic Society, Vo. 30, No. 9, pp. 277-281, 1947.
		A. Makishima et al., "Direct Calculation of Young's Modulus of Glass", Journal of Non-Crystalline Solids, Vol. 12, pp. 35-45, 1973.
		K. Tsunetomo et al., "Laser Kakoyo Glass to Sono Oyo" (Laser-machinable glass and its application), Proceeding of Japan Laser Processing Society, Vol. 57, pp. 26-32, December 4, 2002. (abstract only)
*		H. Koyo et al., "Titania Gan'yu Laser Kakoyo Glass no Kaihatsu" (Laser-machinable titanium doped glass), Extended Abstracts; The Japan Society of Applied Physics, Vol. 63, No. 3, pp. 978, September 24, 2002.

**52835**

PATENT TRADEMARK OFFICE

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	